• *							
Substitute	for Form 1449	PTO	•	Complete if Known			
	<b>NEOF</b>	ΝΛΑ	TION DISCLOSUR	F	Application Number	10/661,107	
OIP	<b>5</b> .)			Filing Date	September 12, 2003		
	STATI	EME	ENT BY APPLICAN	T	First Named Inventor.	Harry Bims	
HOY 1 0	2003 (	(use as	many sheets as necessary)		Art Unit	To be assigned	
吳	·				Examiner Name	To be assigned	
Stipet	M.		of	5	Attorney Docket Number	005878.P008X	
The state of			U.S. PATEN	T DOCUMENTS			
Funcia i	Cite No.	T	O.O. I ATEN			T 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Examiner Initials*	Cite No.		Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant	
						Passages or Relevant	
•	Number-Kind Code <sup>2</sup> (If known)				Figures Appear		
JA		US-	5,479,400	12-26-1995	Dilworth et al.		
		US-	5,815,811	09-29-1998	Pinard et al.	9	
		US-	5,903,834	05-11-1999	Wallstedt et al.		
		US-	5,979,757	11-09-1999	Tracy et al.		
		US-	6,002,918	12-14-1999	Heiman et al.		
		US-	6,067,297	05-23-2000	Beach		
		US-	6,084,528	07-04-2000	Beach et al.		
		US-	6,178,426 B1	01-23-2001	Klein et al.		
		US-	6,188,681 B1	02-13-2001	Vesuna		
		US-	6,199,753 B1	03-13-2001	Tracy et al.		
		US-	6,404,772 B1	06-11-2002	Beach et al.		
		US-	6,405,049 B2	06-11-2002	Herrod et al.		
		US-	6,411,608 B2	06-25-2002	Sharony		
$\bigvee$		US-	6,594,475 B1	07-15-2003	Anvekar et al.		
	<u> </u>	US-		<u> </u>			

		FO	REIGN PATEN	T DOCUMENTS .	<u> </u>	
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>3</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т
JA		WO 96/22636	07-25-1996	MacNamee		
				_	<del> </del>	<u> </u>

Examiner		Date Considered	
Signature	/Joel Ajayi/		01/06/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commission r for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you ne d assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449/PTO					. Comp	lete if Known
HEORMATION DISCLOSURE					Application Number	10/661,107
<i>_</i>				Filing Date	September 12, 2003	
i to S	STATE!	MEI	NT BY APPLICA	ANT	First Named Inventor:	Harry Bims
10	(u	se as n	nany sheets as necessary)		Art Unit	To be assigned
3	10.18°				Examiner Name	To be assigned
Sheeter	eB.k		of	5	Attorney Docket Number	005878.P008X
<u> </u>			U.	S. PATENT DOC	UMENTS	
Examiner Initials*	Cite No.	Alumah	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
· · · · · · · · · · · · · · · · · · ·		IAOUSE				
JA		US-	4,534,061	08-06-1985	Ulug	
1		US-	5,461,627	10-24-1995	Rypinski	
		US-	5,507,035	04-09-1996	Bantz et al.	
		US-	5,594,731	01-14-1997	Reissner	
		US-	5,636,220	06-03-1997	Vook et al.	
		US-	5,717,688	02-10-1998	Belanger et al.	
		US-	5,774,461	06-30-1998	Hyden et al.	•
		US-	5,825,776	10-20-1998	Moon	
		US-	5,862,481	01-19-1999	Kulkarni et al.	
		US-	5,875,186	02-23-1999	Belanger et al.	
		US-	5,923,702	07-13-1999	Brenner et al.	
		.US-	5,987,062	11-16-1999	Engwer et al.	
	-	US-	5,991,287	11-23-1999	Diepstraten et al.	
1/		US-	6,038,448	03-14-2000	Chheda et al.	
V		US-	6,058,106	05-02-2000	Cudak et al.	

	FOREIGN PATENT DOCUMENTS											
Examiner Initials*	Cite No.¹	Foreign Patent Document  Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>3</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>8</sup>						

Examiner		Date Considered	1
Signature	/Joel Ajayi/		01/06/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the senal number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁴Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitut	for Form 1	449/PT	О		Comp	lete if Known
INFORMATION DISCLOSURE				IRE	Application Number	10/661,107
10	PE				Filing Date	September 12, 2003
	STARE	MEI	NT BY APPLICA	INT	First Named Inventor:	Harry Bims
/	\$	se as m	any sheets as necessary)		Art Unit	To be assigned
MOV ·	0 2003 H				Examiner Name	
	<u> </u>					To be assigned
Sheet	3		of	5	Attorney Docket Number	005878.P008X
A LE	DEMAN		U.S	. PATENT DOC	CUMENTS	
xaminer nitials*	Cite No.		Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
N		Numb	er-Kind Code <sup>2</sup> (If known)			Figures Appear
JA		US-	2002/0075825 A1	06-20-2002	Hills et al.	
	<u> </u>	US-	2002/0060995 A1	05-23-2002	Cervello et al.	
		US-	2001/0024953 A1	09-27-2001	Balogh	
		US-	6,259,898	07-10-2001	Lewis	
		US-	6,097,707	08-01-2000	Hodzic et al.	
		US-	6,130,896	10-10-2000	Lueker et al.	
		US-	6,137,791	10-24-2000	Frid et al.	
1		US-	6,137,802	10-24-2000	Jones et al.	
		US-	6,243,581	06-05-2001	Jawanda	
		US-	6,253,082	06-26-2001	Hengeveld	
		US-	6,285,665	09-04-2001	Chuah	
		US-	6,452,915 B1	09-17-2002	Jorgensen	
		US-	6,501,582 B2	12-31-2002	Chiou et al.	Ī.
1/		US	6,522,880 B1	02-18-2003	Verma et al.	
A		US-	6,556,547 B1	04-29-2003	Srikanth et al.	,

,	FOREIGN PATENT DOCUMENTS											
Examiner Initials*	Cite No.¹	Foreign Patent Document  Country Code' Number' Kind Code' (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>8</sup>						

Examiner		Date Considered	
Signature	/Joel Ajayi/		01/06/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

This collection of Information Is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: C mmissioner for Patents, P.O. Box 1450, Al xandria, Virginia 22313-1450.

If you ne d assistance in c mpleting the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute	for Form 1	449/P	то		Complete if Known			
H	NFORM	/AN	TION DISCLOSU	Application Number	10/661,107			
	<u> </u>			Filing Date	September 12, 2003			
/ 0.8			NT BY APPLICA	ANT	First Named Inventor:	Harry Bims		
/	۳.	ise as i	many sheets as necessary)		Art Unit	To be assigned		
172	0 2009				Examiner Name	To be assigned		
Spet	4		of	5	Attorney Docket Number	005878.P008X		
RADI	ENN Ser		U.S	. PATENT DOC	CUMENTS			
Examiner Initials*	Cite No.	Num	Document Number ber-Kind Code <sup>2</sup> (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
JA		US-	2002/0188723 A1	12-12-2002	Choi et al.			
JA_		US-	2002/0167965 A1	11-14-2002	Beasley et al.			
JA		US-	2002/0131386 A1	09-19-2002	Gwon			
			•					
		<u> </u>						
		<u> </u>	•	ļ	<u> </u>			
	<u> </u>		<u> </u>	<u> </u>				
		<del>                                     </del>						
				<del></del>				
	·				-			
······································				1.				
					-			
	-							

		ru	REIGN PATENT	DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>3</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T°
		` _				
		·				
		·				

Examiner		Date Considered	
Signature	/Joel Ajayi/	01/06/200	7

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the senal number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commission rf r Patents, P.O. B x 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449/PTO					Complete if Known						
INFORMATION DISCLOSURE					Application Number	10/661,107					
STATEMENT BY APPLICANT (use as many sheets as necessary)					Filing Date	September 12, 2003					
					First Named Inventor:	Harry Bims					
					Art Unit	To be assigned					
F	The s				Examiner Name	To be assigned					
Skeet	5.rt	of 5			Attorney Docket Number	005878.P008X					
NON PATENT LITERATURE DOCUMENTS											
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published									
JA		BAHL, Paramvir and PADMANABHAN, Venkata N., "RADAR: An In-Building RF-based User Location and Tracking System," Proceedings of IEEE INFOCOMM 200, March 2000, pp. 775-784.									
JA		Lucent Technologies Inc., Orinoco Manager Suite – User's Guide, November 2000									
JA		MESSIER, Andrew et al., "Performance Monitoring of a Wireless Campus Area Network," Local Computer Networks, 1997, Proceedings, 22 <sup>nd</sup> Annual Conference on November 1997, pp. 232-238									
JA		PCT International Search Report mailed April 15, 2003 for International Application No.: PCT/US03/00783 (4 pages)									
. ЈА	·		ternation 303/0782		nailed April 25, 2003 for Intern	ational Application No.					
							·				
	,										

Examiner		Date		
Signature	/Joel Ajayi/	Considered	01/06/2007	ĺ

<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not In conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&#</sup>x27;Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.